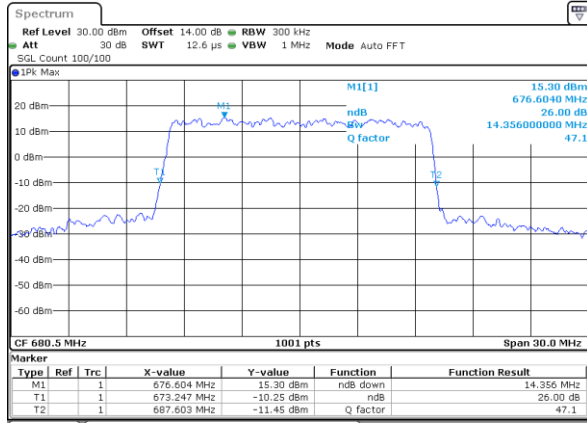


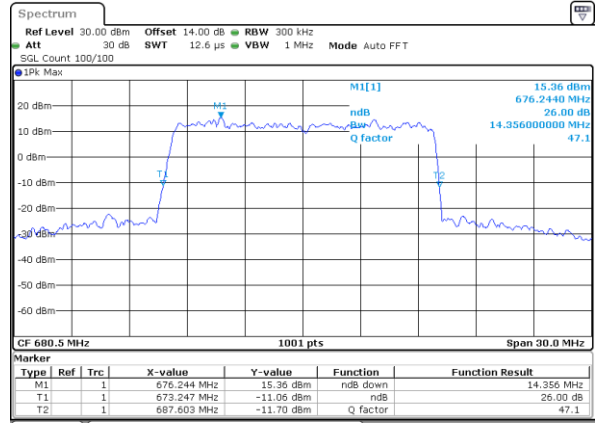


LTE Band 71

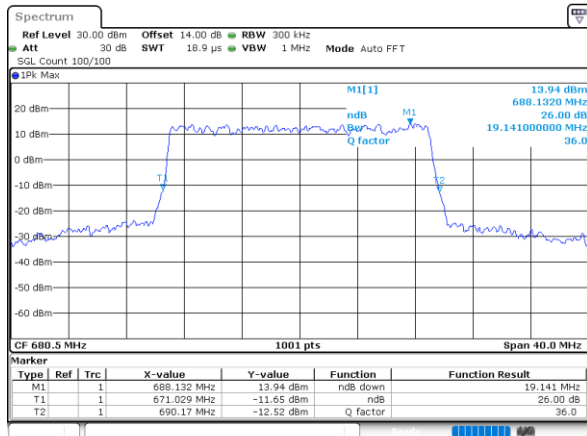
Middle Channel / 15MHz / QPSK



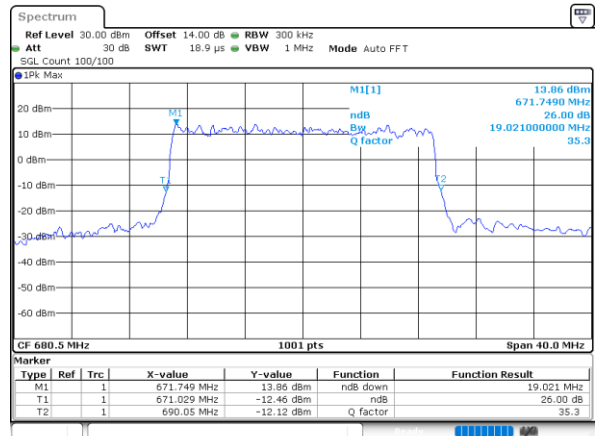
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



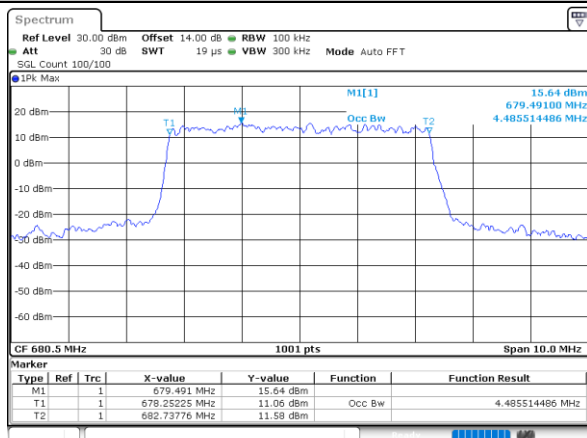


Occupied Bandwidth

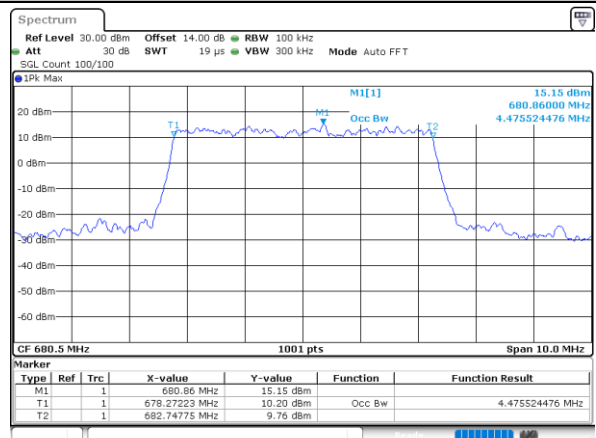
Mode	LTE Band 71 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.49	4.48	9.05	8.97	13.40	13.43	17.90	17.94

LTE Band 71

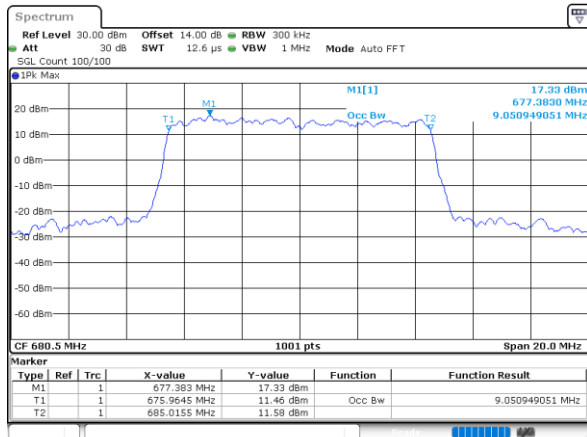
Middle Channel / 5MHz / QPSK



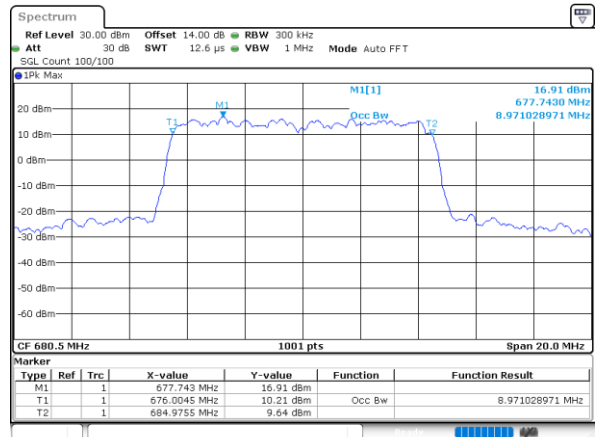
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



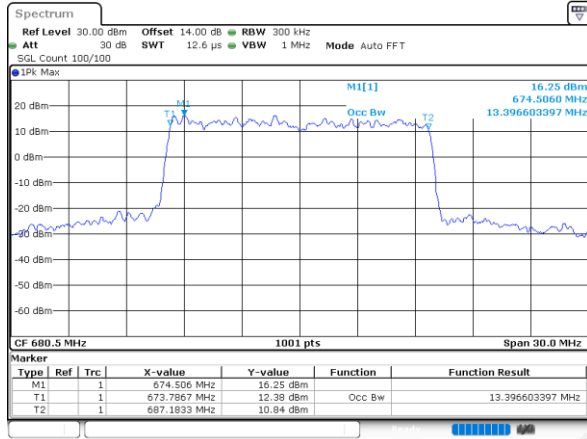
Middle Channel / 10MHz / 16QAM



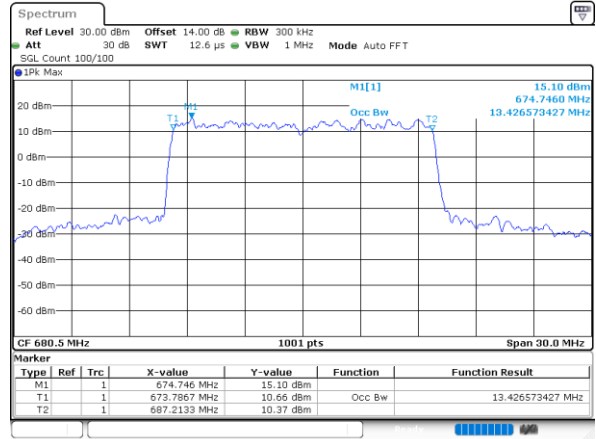


LTE Band 71

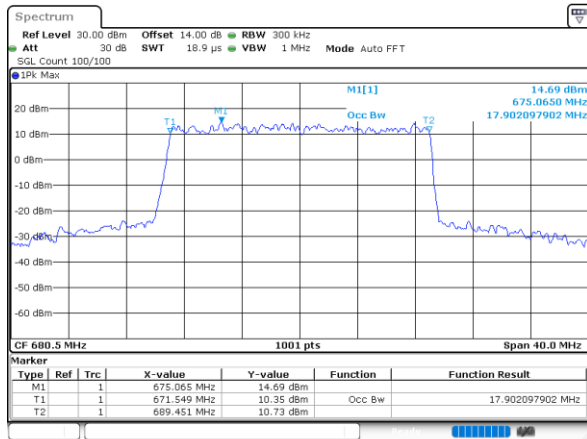
Middle Channel / 15MHz / QPSK



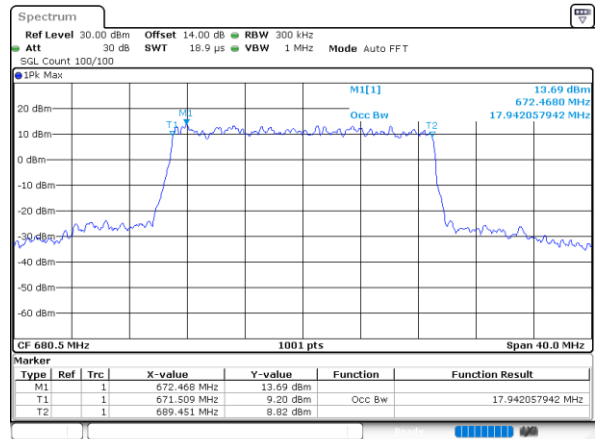
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

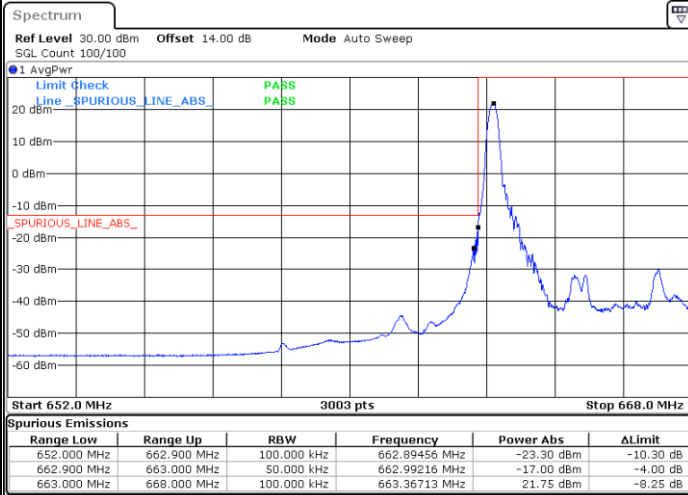




Conducted Band Edge

LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



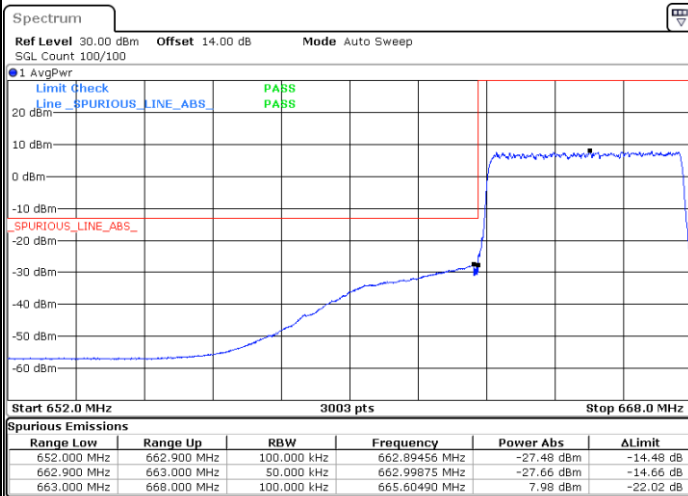
Date: 22.AUG.2024 03:11:28

Highest Band Edge / 1 RB



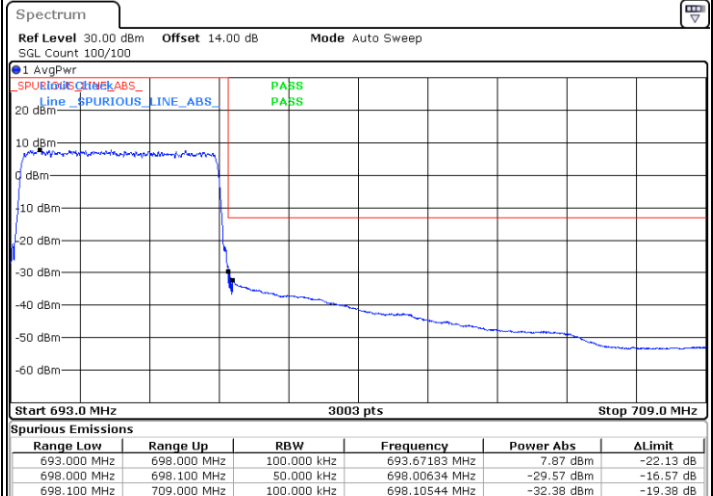
Date: 22.AUG.2024 04:55:07

Lowest Band Edge / Full RB



Date: 22.AUG.2024 03:14:00

Highest Band Edge / Full RB

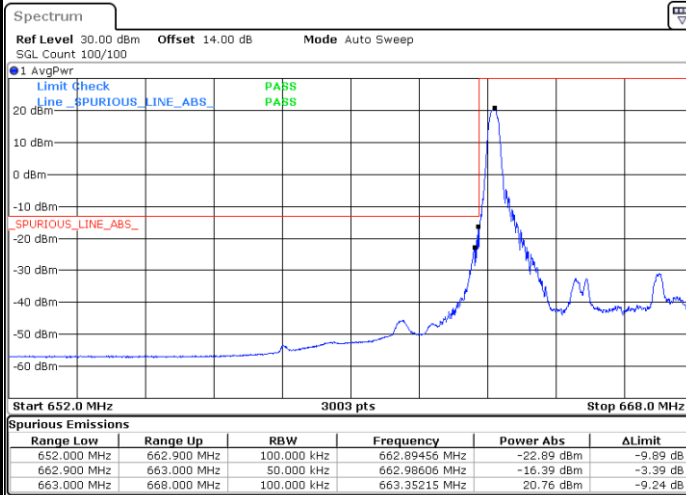


Date: 22.AUG.2024 04:57:39



LTE Band 71 / 5MHz / 16QAM

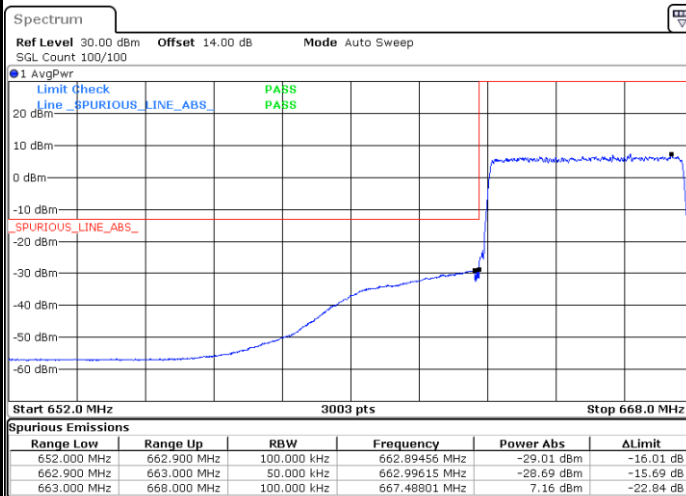
Lowest Band Edge / 1RB



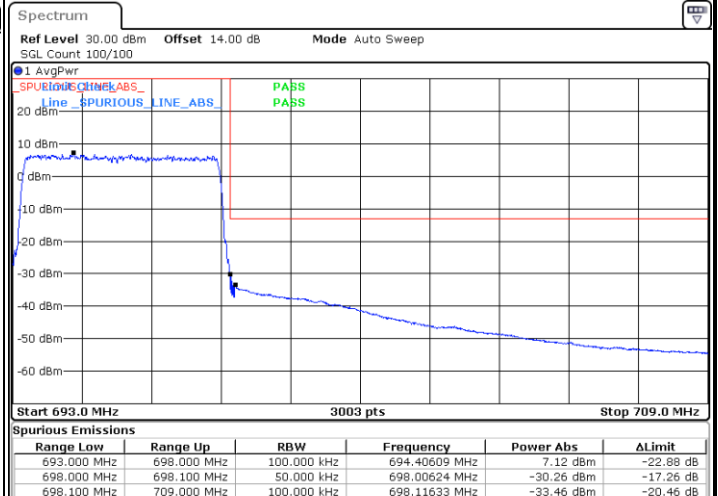
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



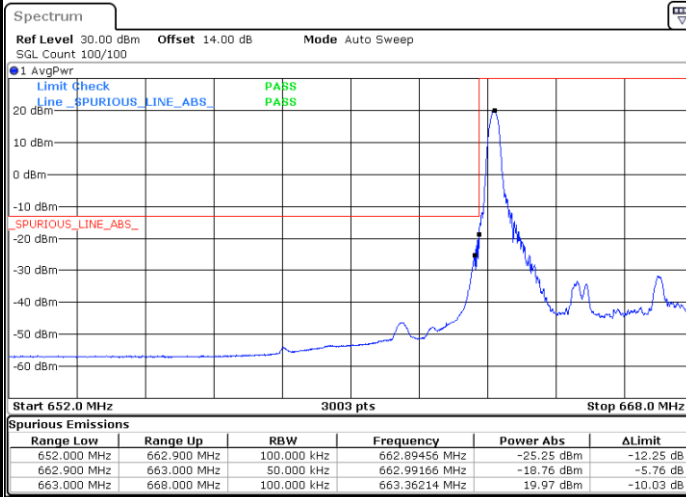
Highest Band Edge / Full RB



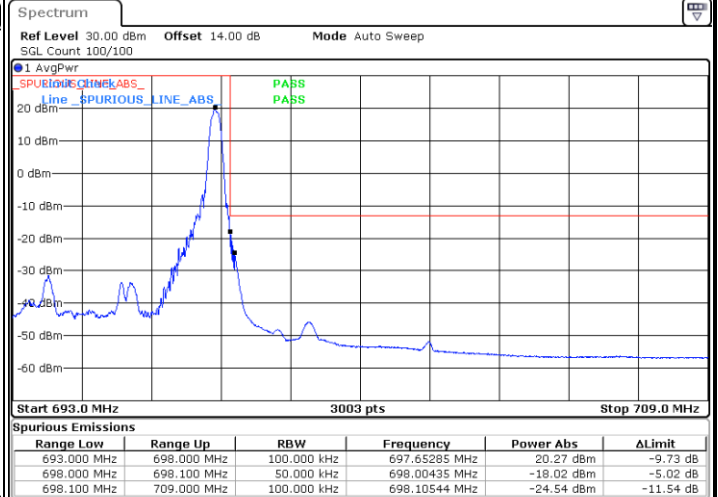


LTE Band 71 / 5MHz / 64QAM

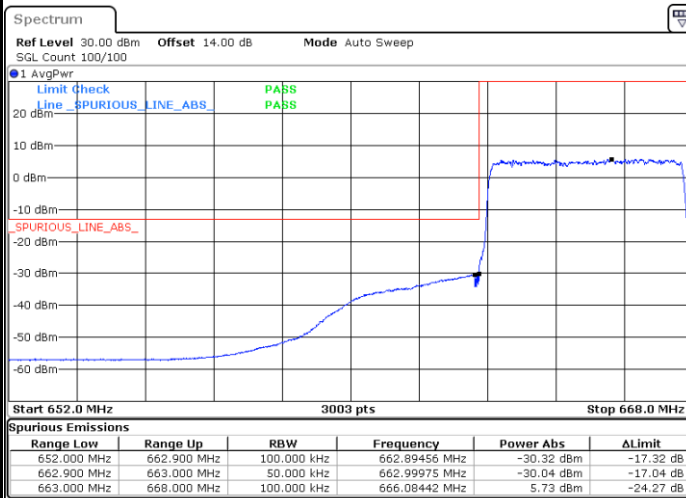
Lowest Band Edge / 1RB



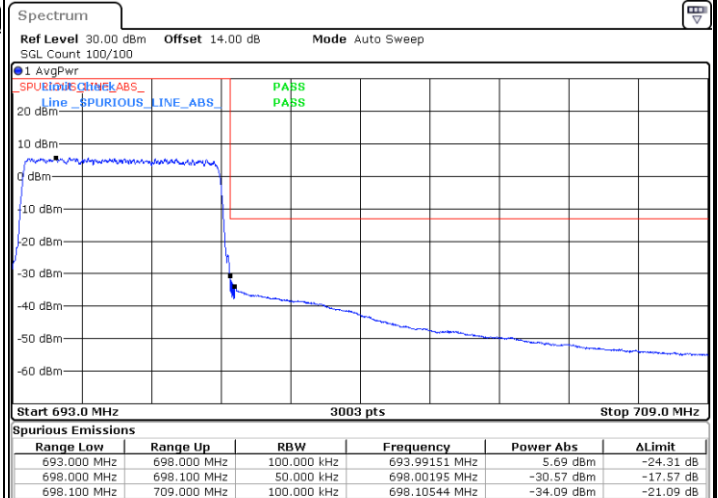
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



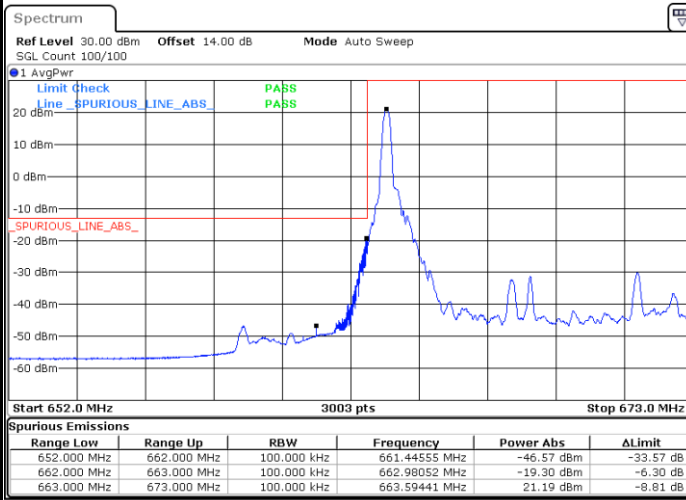
Highest Band Edge / Full RB



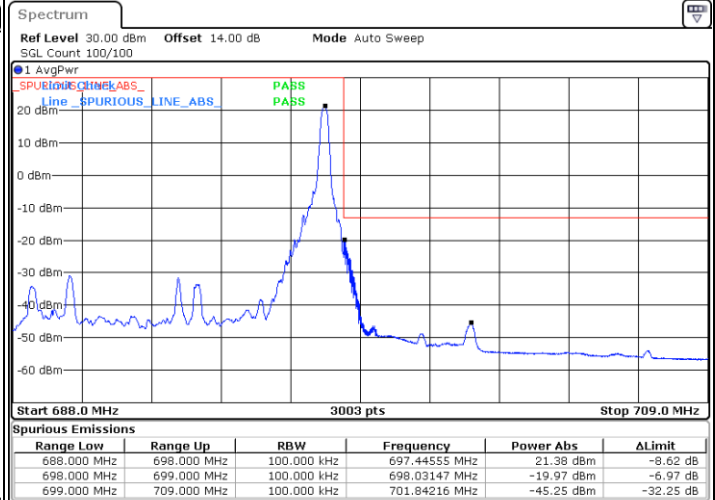


LTE Band 71 / 10MHz / QPSK

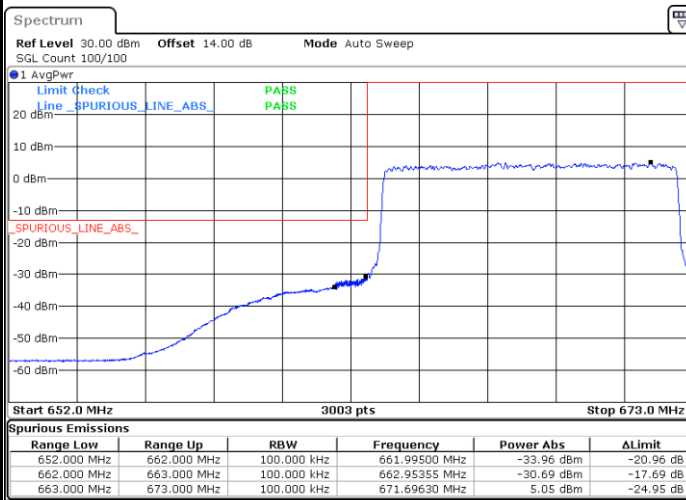
Lowest Band Edge / 1 RB



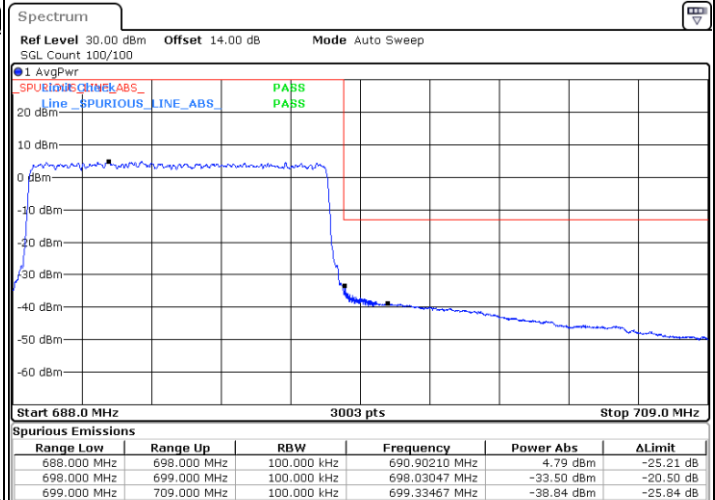
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



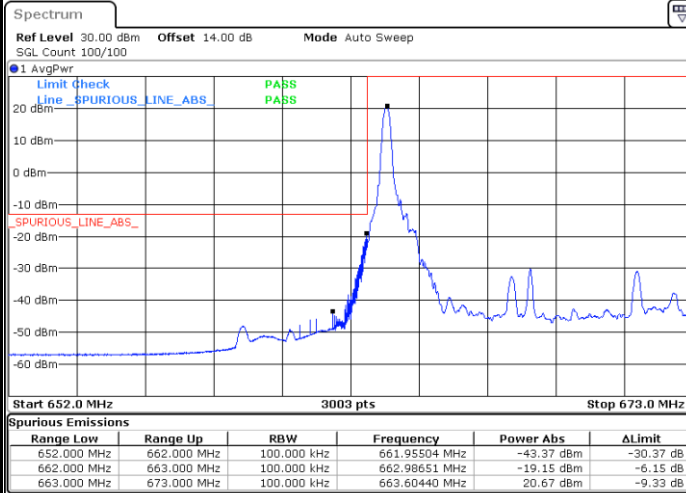
Highest Band Edge / Full RB



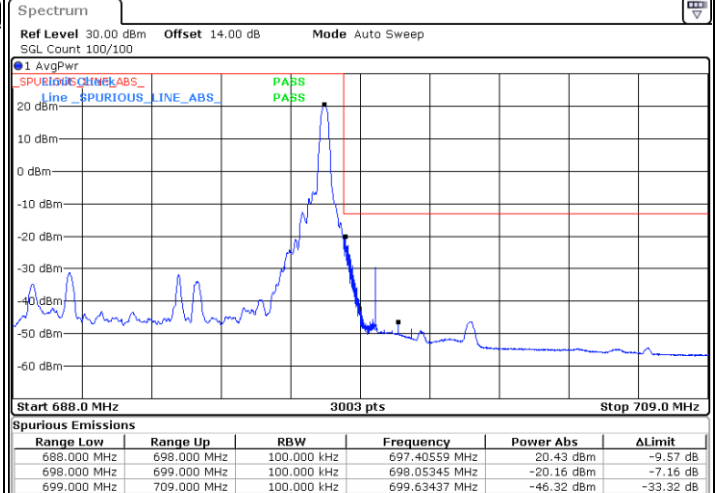


LTE Band 71 / 10MHz / 16QAM

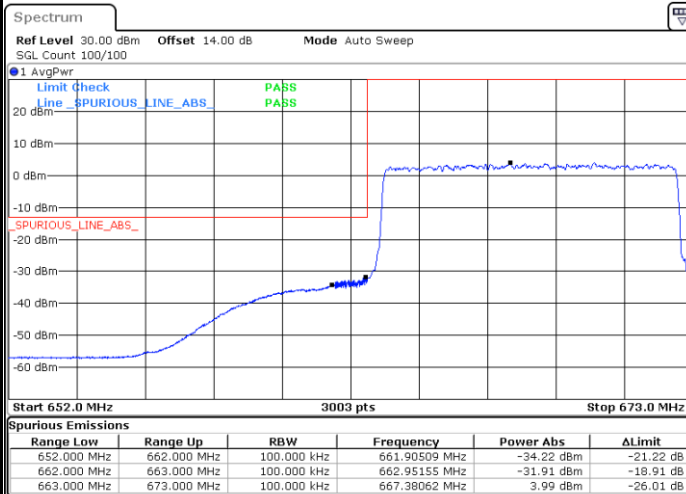
Lowest Band Edge / 1RB



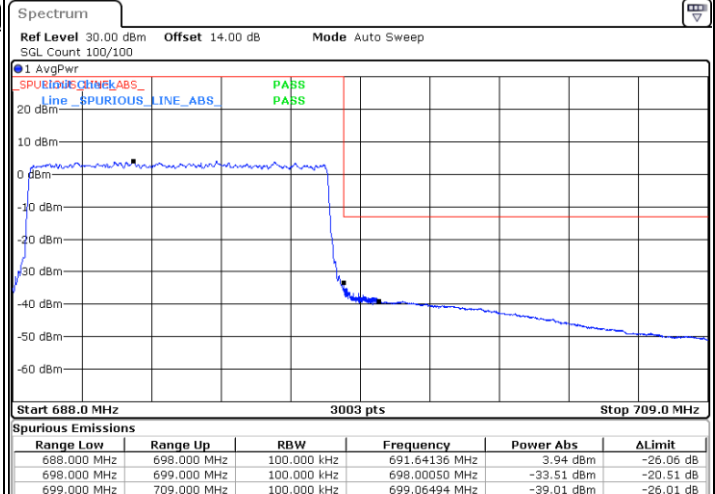
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



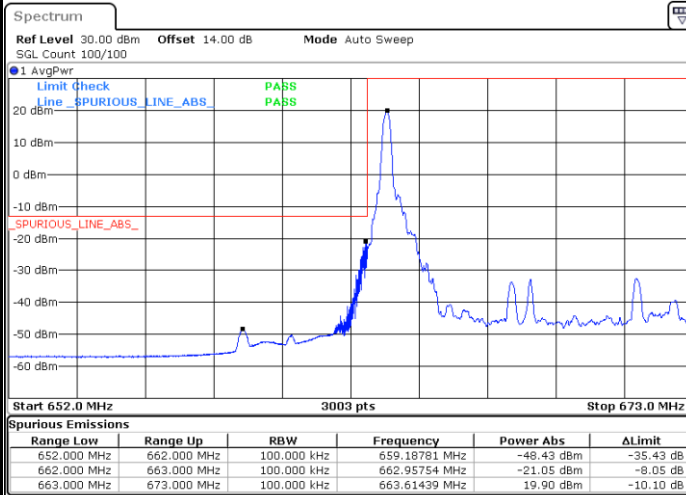
Highest Band Edge / Full RB



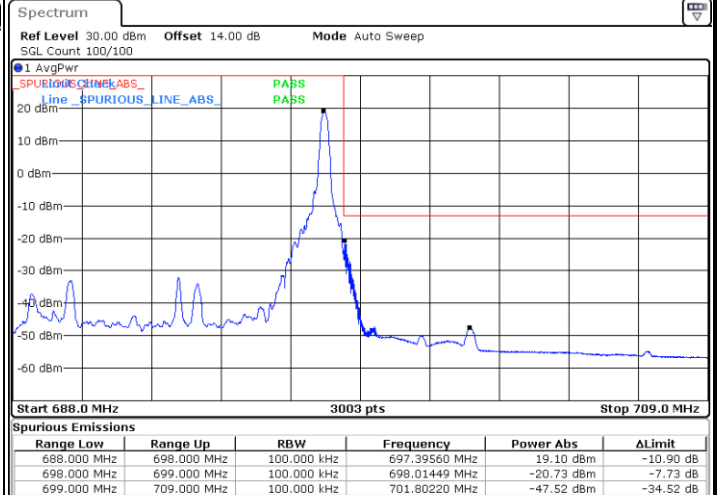


LTE Band 71 / 10MHz / 64QAM

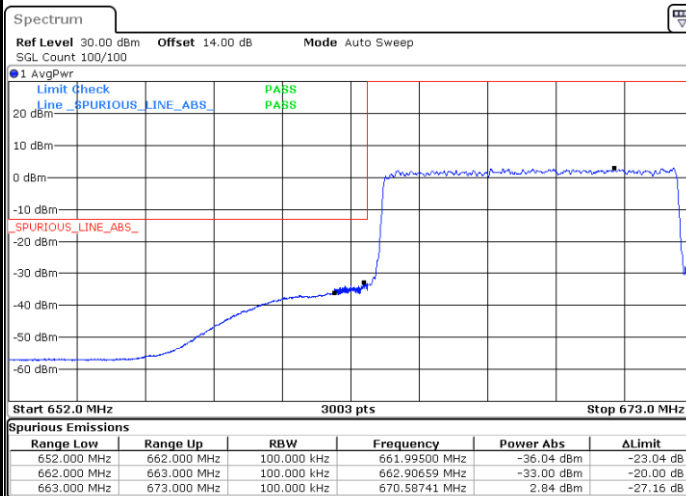
Lowest Band Edge / 1RB



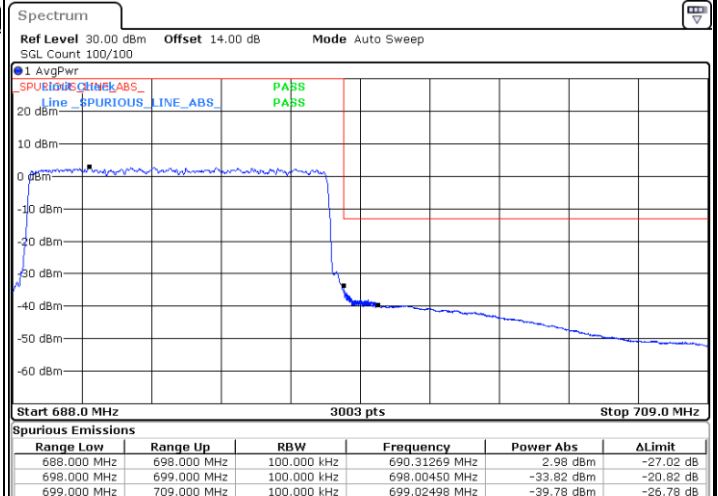
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



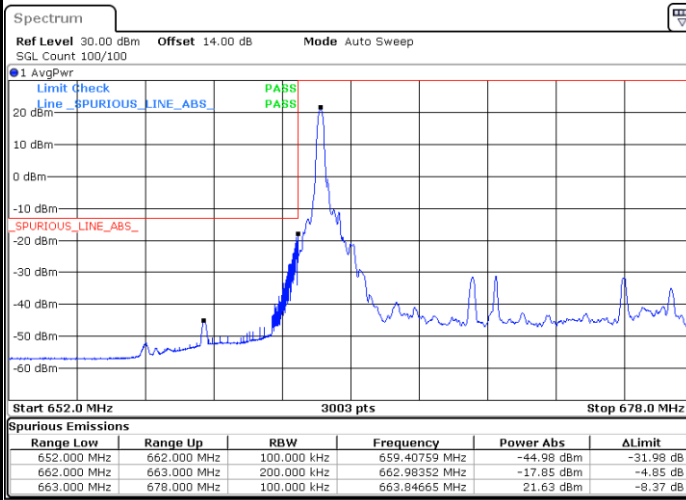
Highest Band Edge / Full RB





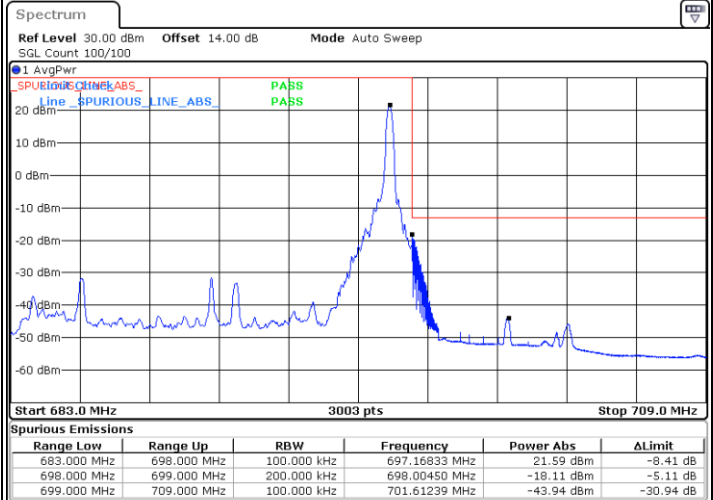
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



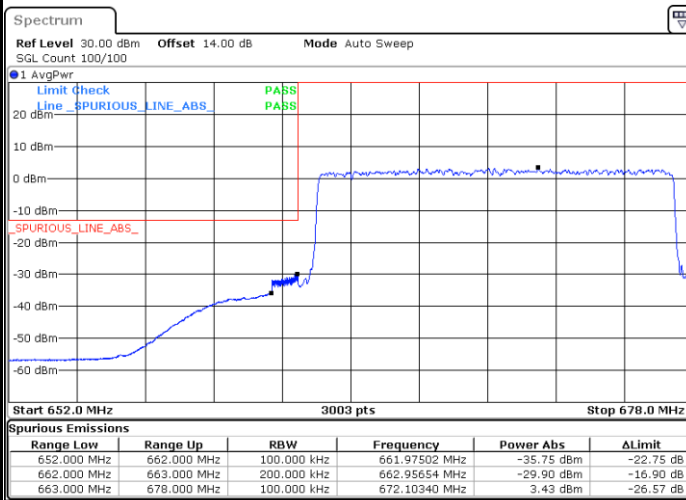
Date: 22.AUG.2024 05:16:37

Highest Band Edge / 1 RB



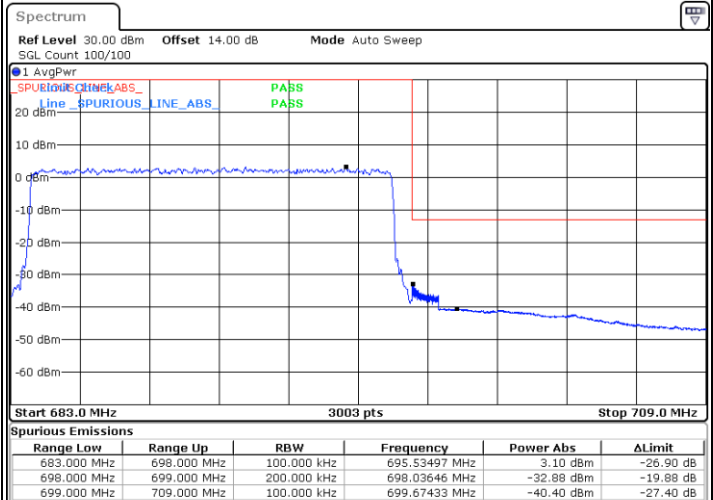
Date: 22.AUG.2024 05:24:47

Lowest Band Edge / Full RB



Date: 22.AUG.2024 05:19:08

Highest Band Edge / Full RB

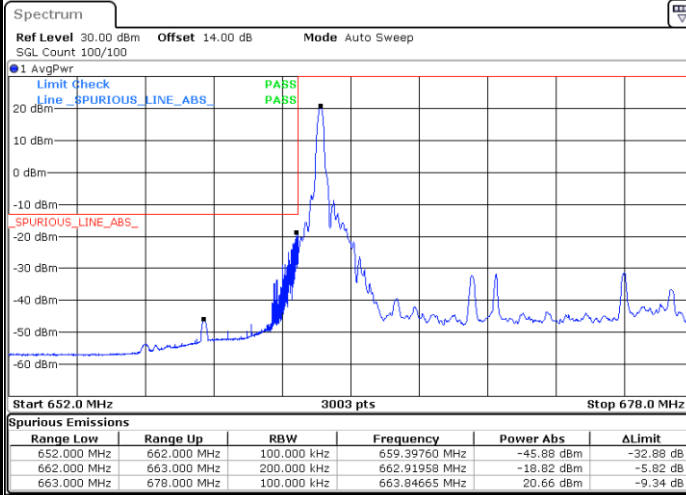


Date: 22.AUG.2024 05:27:18

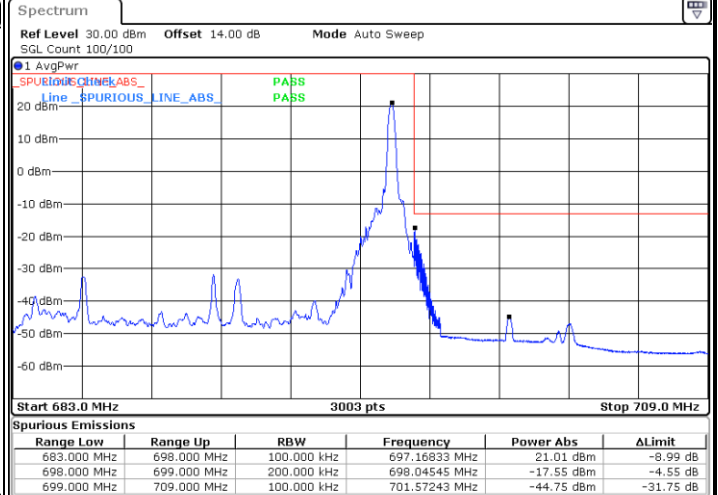


LTE Band 71 / 15MHz / 16QAM

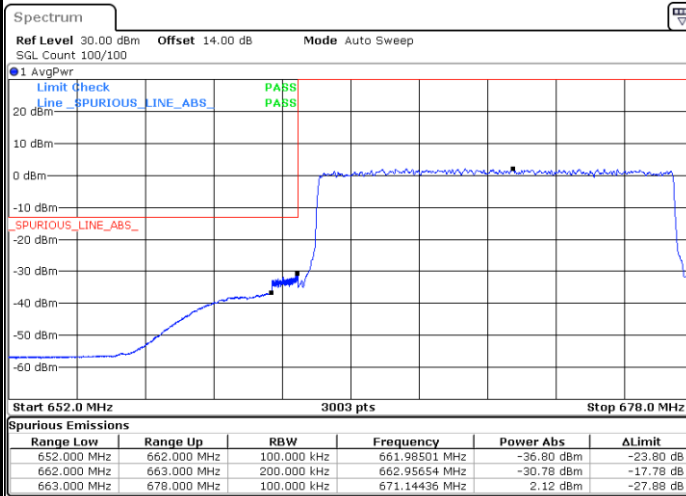
Lowest Band Edge / 1RB



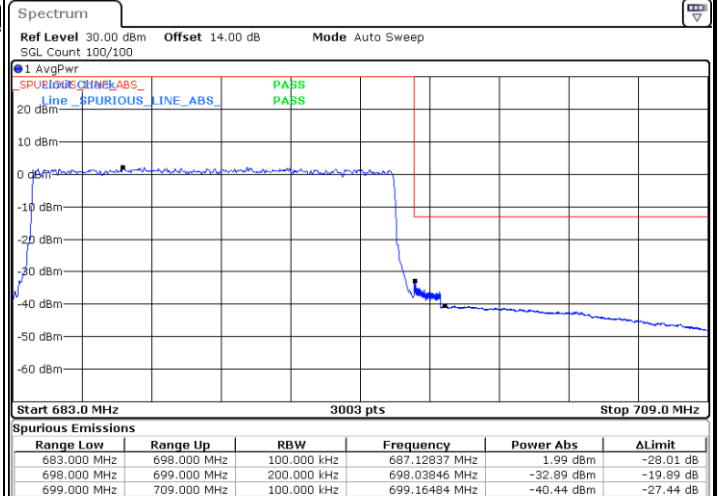
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



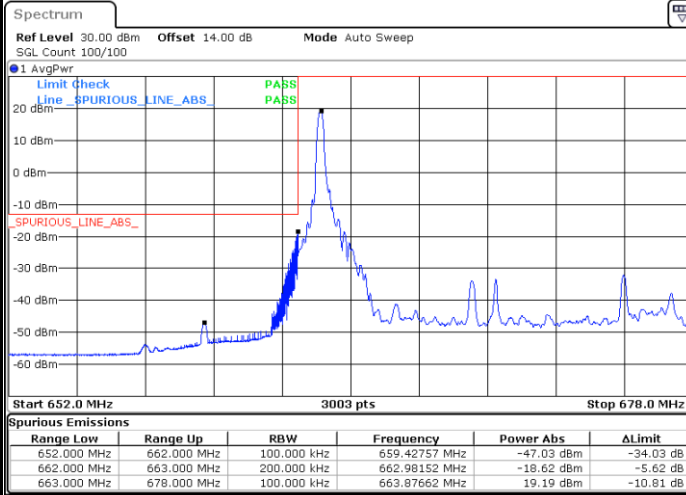
Highest Band Edge / Full RB



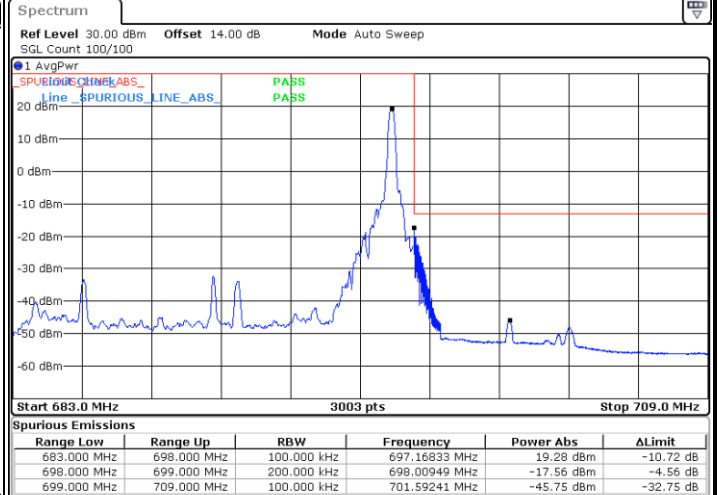


LTE Band 71 / 15MHz / 64QAM

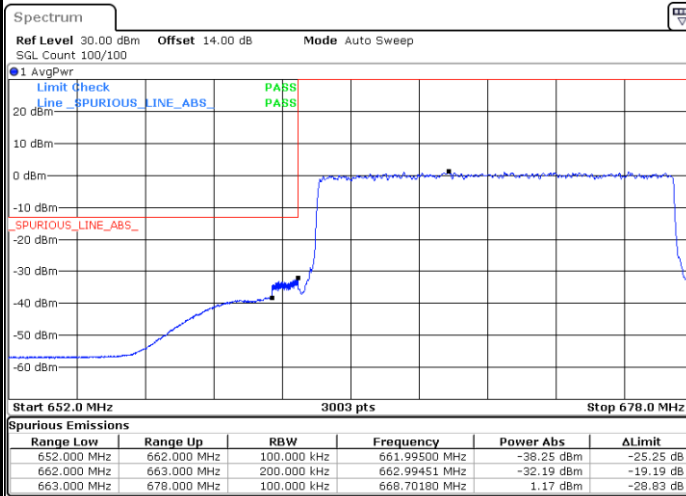
Lowest Band Edge / 1RB



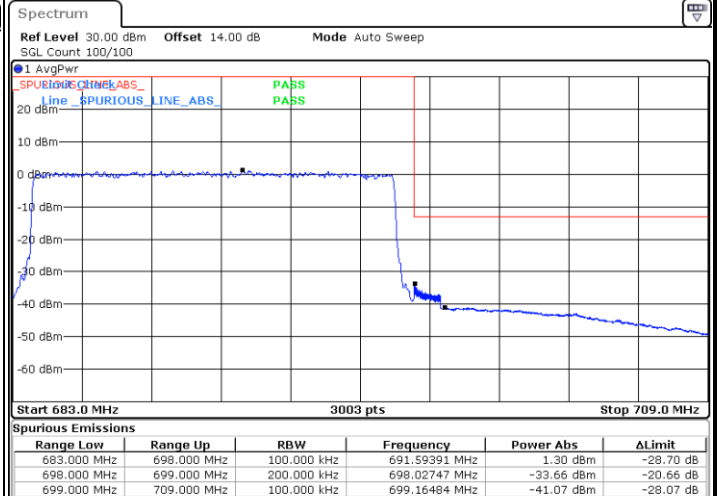
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



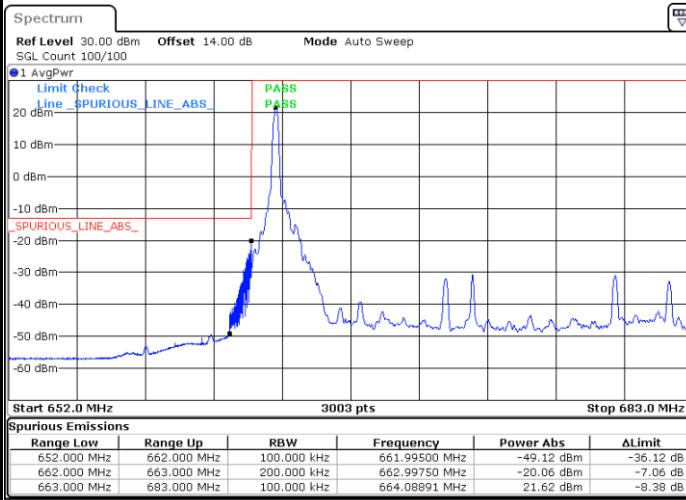
Highest Band Edge / Full RB



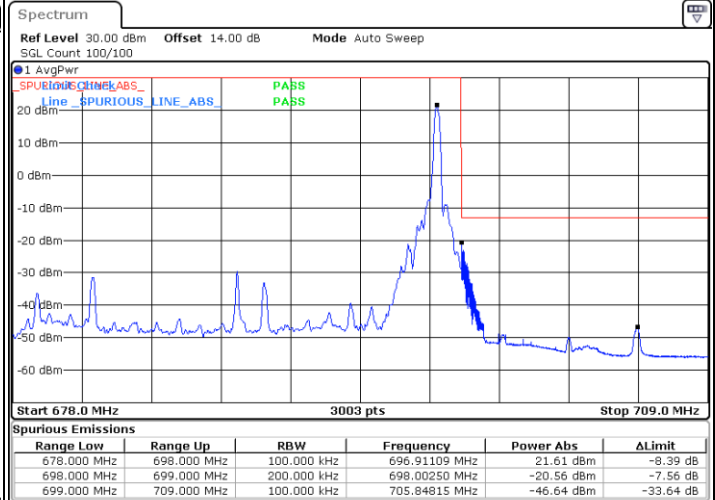


LTE Band 71 / 20MHz / QPSK

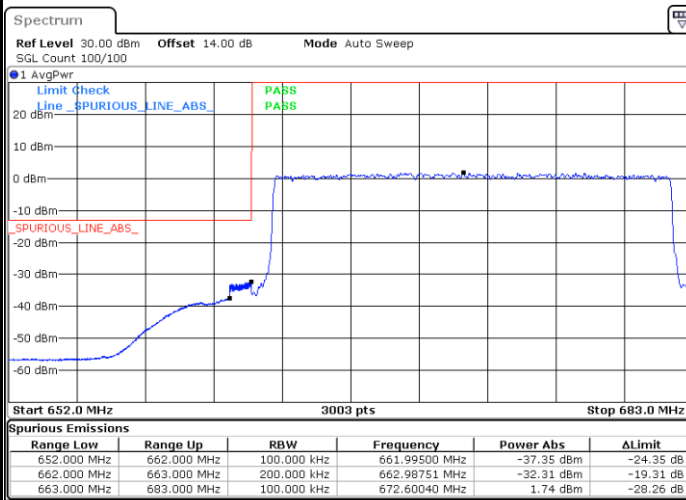
Lowest Band Edge / 1 RB



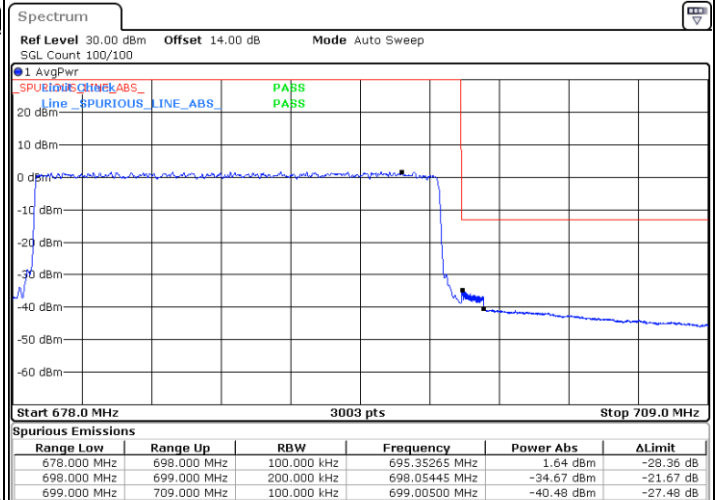
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



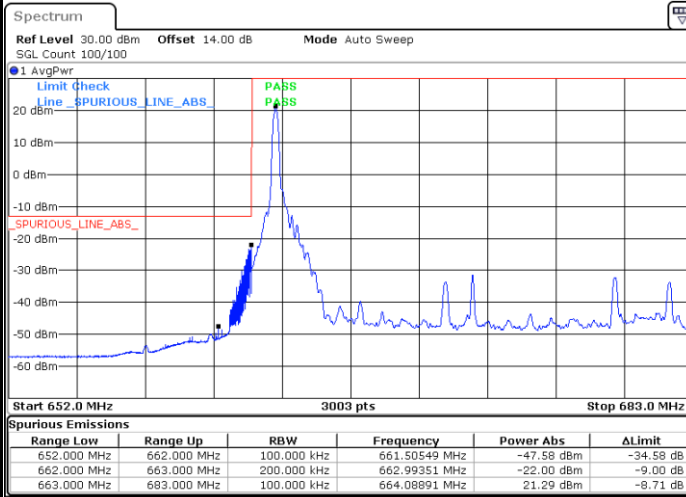
Highest Band Edge / Full RB



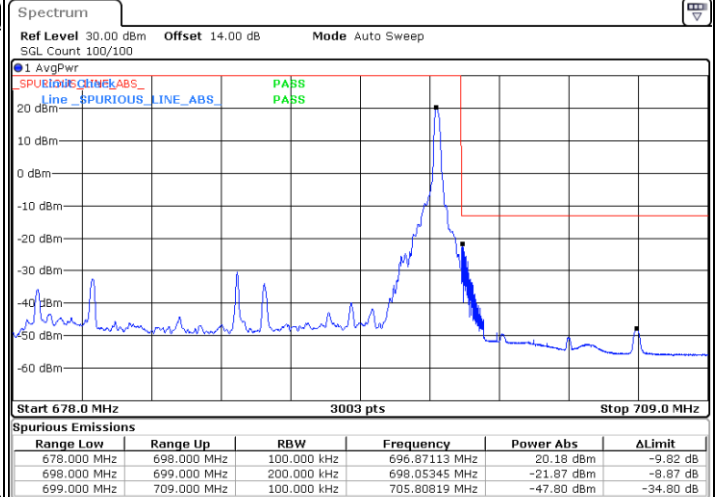


LTE Band 71 / 20MHz / 16QAM

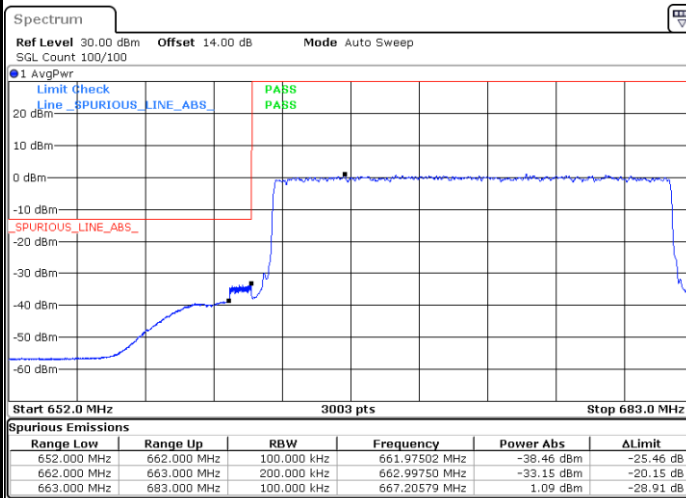
Lowest Band Edge / 1RB



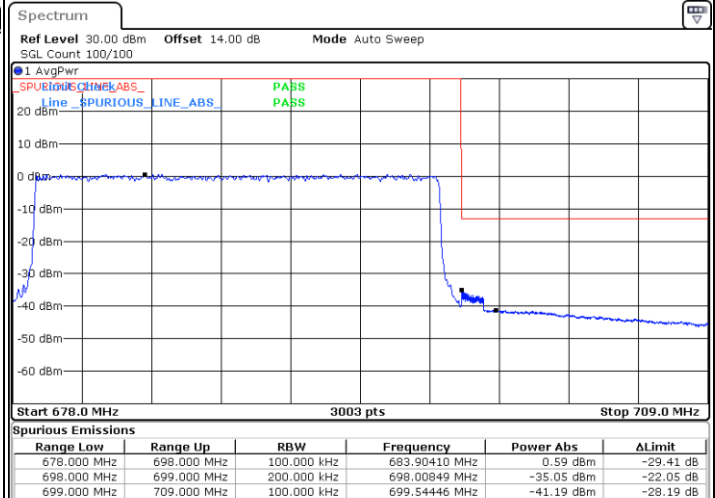
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



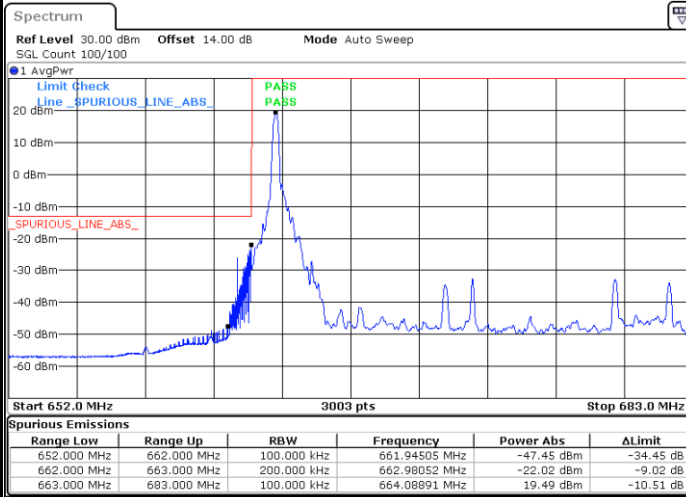
Highest Band Edge / Full RB



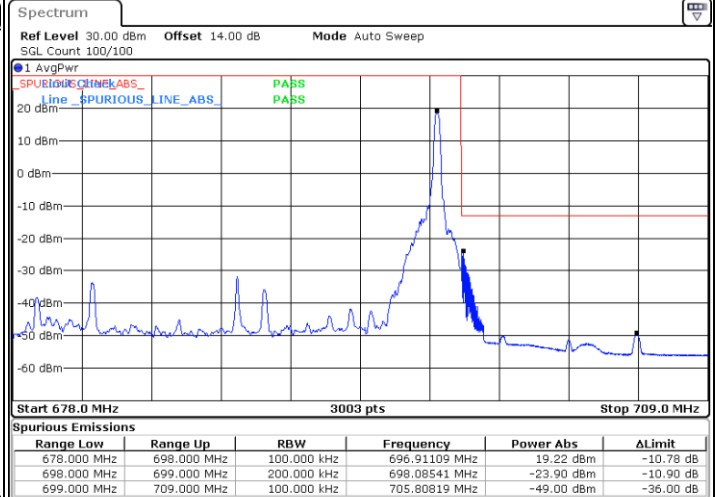


LTE Band 71 / 20MHz / 64QAM

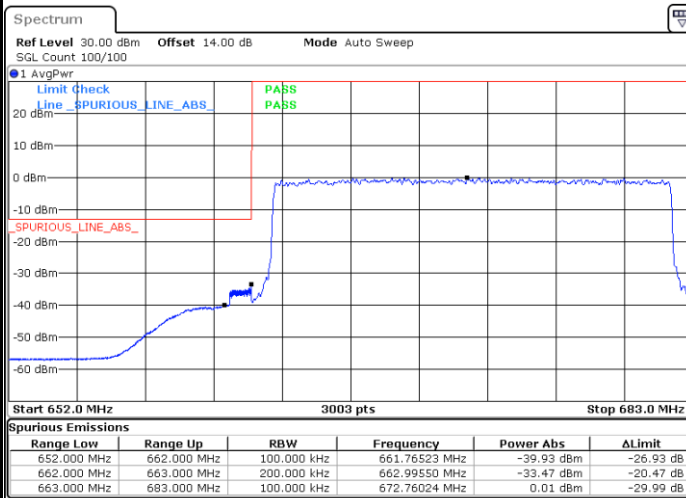
Lowest Band Edge / 1RB



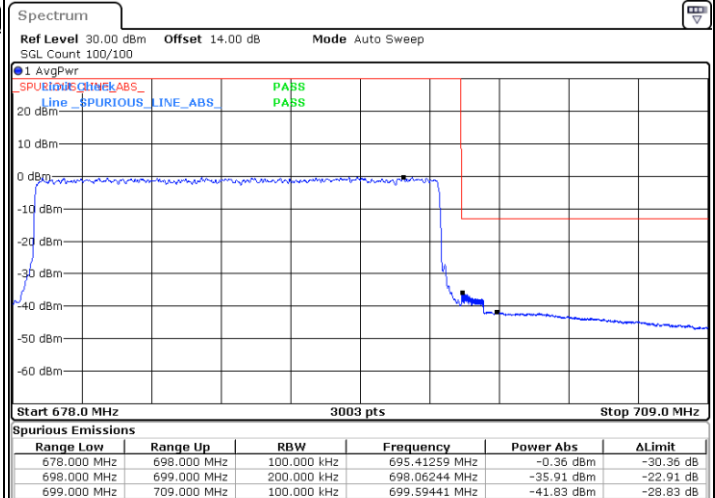
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

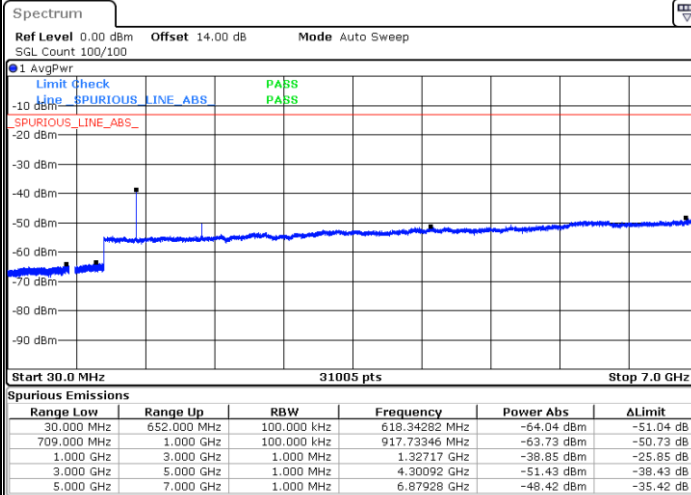




Conducted Spurious Emission

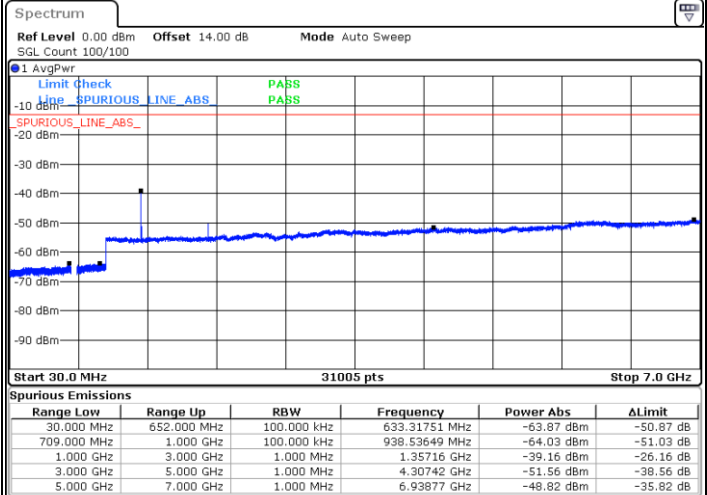
LTE Band 71 / 5MHz

Lowest Channel / QPSK



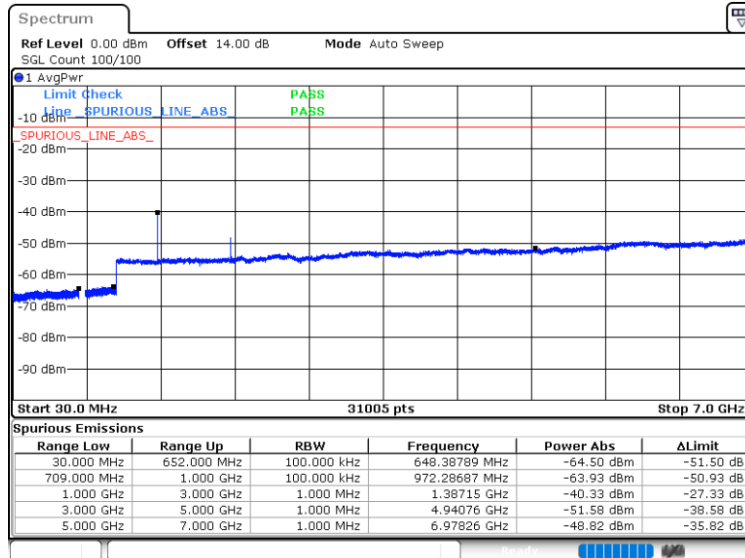
Date: 22.AUG.2024 03:16:35

Middle Channel / QPSK



Date: 22.AUG.2024 03:17:29

Highest Channel / QPSK

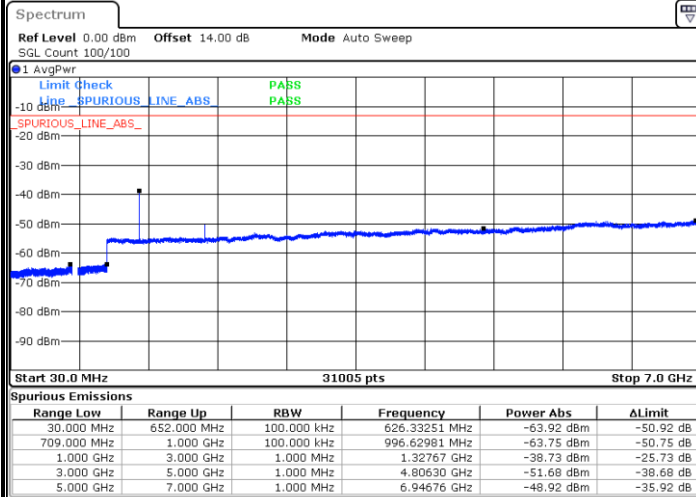


Date: 22.AUG.2024 05:00:15



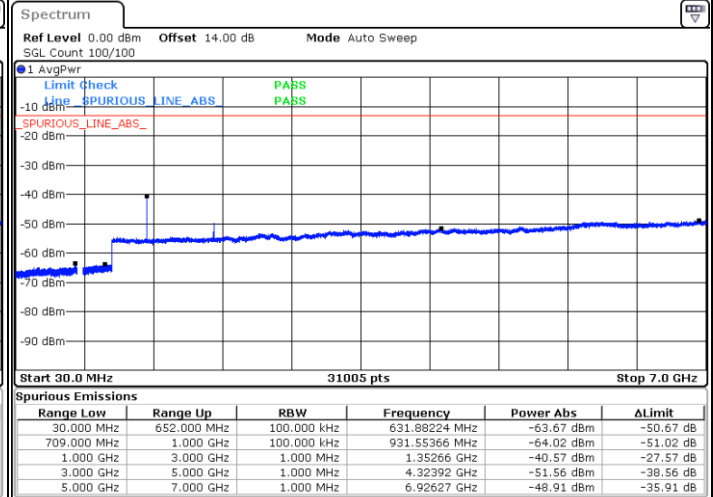
LTE Band 71 / 10MHz

Lowest Channel / QPSK



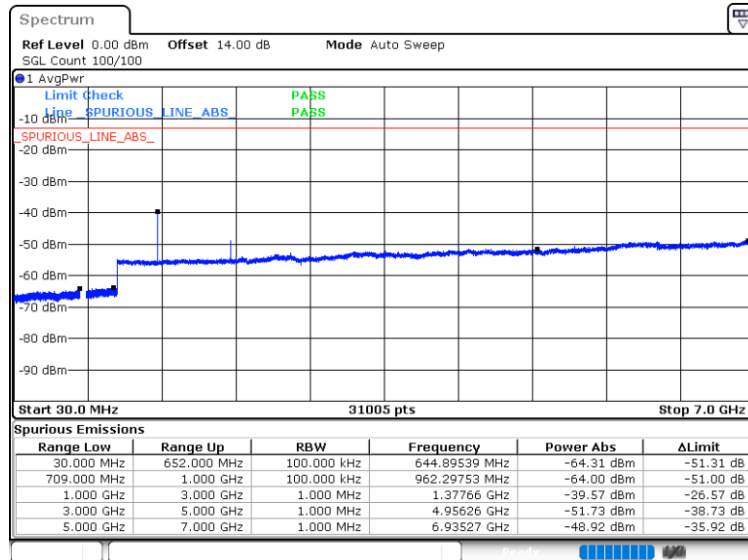
Date: 22.AUG.2024 05:06:55

Middle Channel / QPSK



Date: 22.AUG.2024 05:07:49

Highest Channel / QPSK

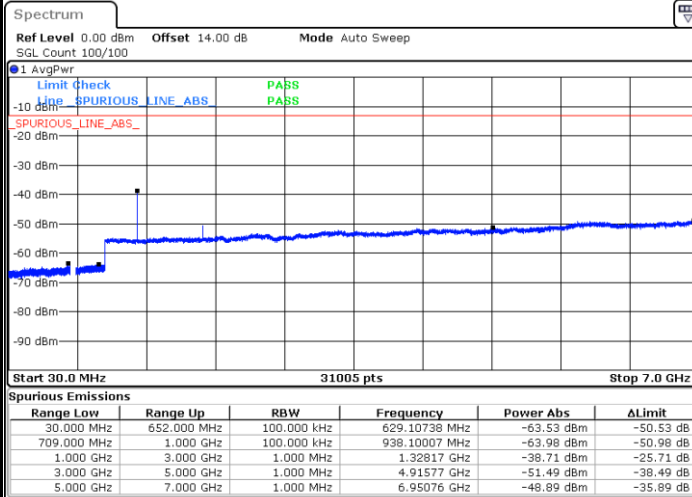


Date: 22.AUG.2024 05:15:04



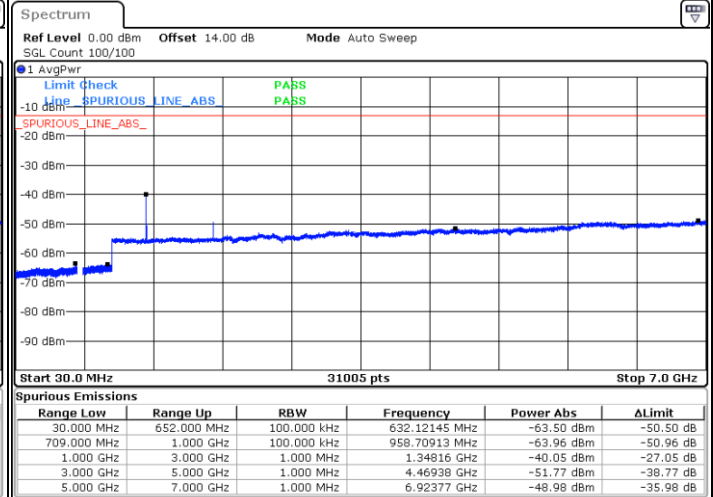
LTE Band 71 / 15MHz

Lowest Channel / QPSK



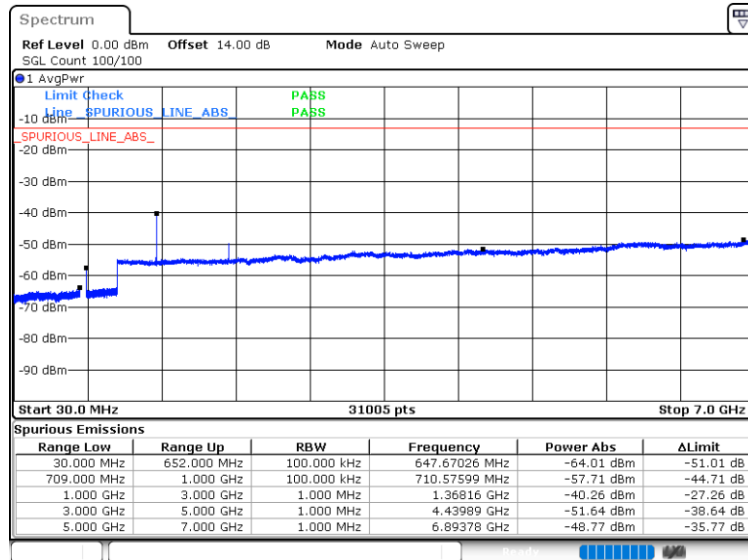
Date: 22.AUG.2024 05:21:44

Middle Channel / QPSK



Date: 22.AUG.2024 05:22:38

Highest Channel / QPSK

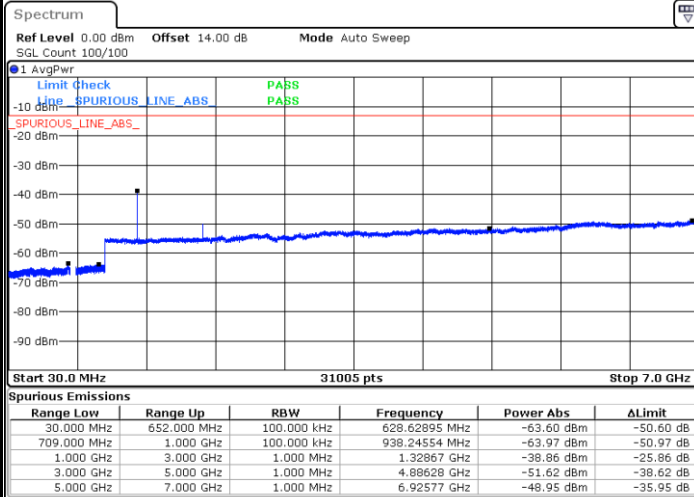


Date: 22.AUG.2024 05:29:54



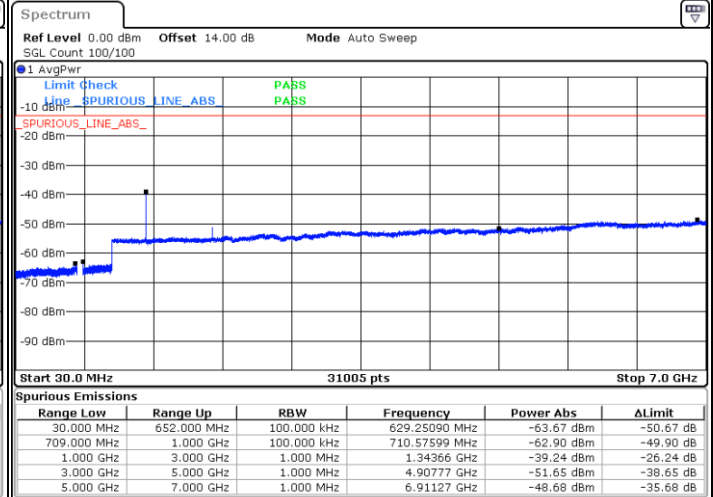
LTE Band 71 / 20MHz

Lowest Channel / QPSK



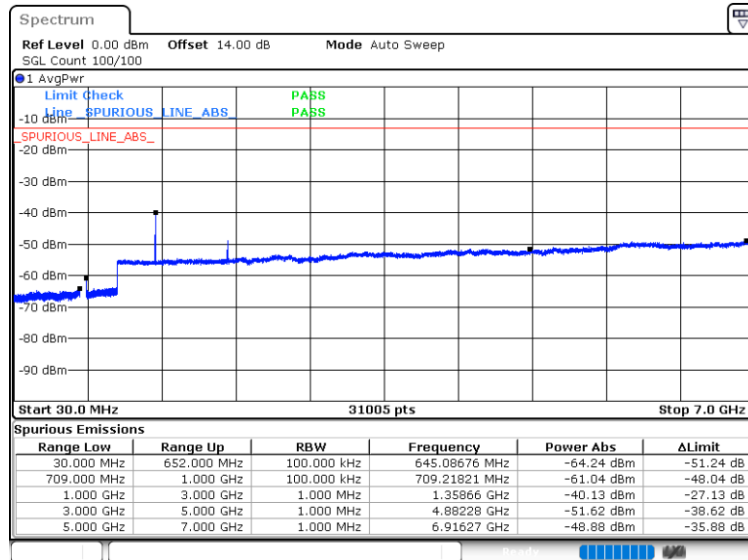
Date: 22.AUG.2024 05:36:34

Middle Channel / QPSK



Date: 22.AUG.2024 05:37:28

Highest Channel / QPSK



Date: 22.AUG.2024 05:46:05

Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0068	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0097	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0116	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.8V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	HuaCong Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 7 / 20MHz / QPSK/Ant.3									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-56.68	-25	-31.68	-80.63	-62.24	7.14	12.70	H
	7578.27	-50.21	-25	-25.21	-76.91	-53.51	8.30	11.60	H
	10104.36	-52.16	-25	-27.16	-83.10	-53.68	10.48	12.00	H
	5052.18	-55.11	-25	-30.11	-80.39	-60.67	7.14	12.70	V
	7578.27	-50.02	-25	-25.02	-76.72	-53.32	8.30	11.60	V
	10104.36	-51.03	-25	-26.03	-82.95	-52.55	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 12 / 10MHz / QPSK/Ant.0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-63.63	-13	-50.63	-74.89	-66.88	4.00	9.40	H
	2109	-59.73	-13	-46.73	-77.88	-63.30	4.88	10.60	H
	2812	-58.99	-13	-45.99	-78.43	-63.92	5.52	12.60	H
	1406	-61.57	-13	-48.57	-73.89	-64.82	4.00	9.40	V
	2109	-59.18	-13	-46.18	-77.12	-62.75	4.88	10.60	V
	2812	-58.03	-13	-45.03	-78.28	-62.96	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 5MHz / QPSK/Ant.0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-61.75	-42.15	-19.60	-73.53	-65.00	4.00	9.40	H
	2339.25	-58.89	-13	-45.89	-77.50	-62.46	4.88	10.60	H
	3119	-57.78	-13	-44.78	-78.10	-62.71	5.52	12.60	H
	1559.5	-62.03	-42.15	-19.88	-74.43	-65.28	4.00	9.40	V
	2339.25	-52.41	-13	-39.41	-71.39	-55.98	4.88	10.60	V
	3119	-55.84	-13	-42.84	-77.96	-60.77	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 71 / 20MHz / QPSK/Ant.0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1343	-60.26	-13	-47.26	-71.27	-63.51	4.00	9.40	H
	2014.5	-58.63	-13	-45.63	-76.34	-62.20	4.88	10.60	H
	2686	-58.26	-13	-45.26	-77.89	-63.19	5.52	12.60	H
	1343	-59.62	-13	-46.62	-71.58	-62.87	4.00	9.40	V
	2014.5	-59.43	-13	-46.43	-77.03	-63.00	4.88	10.60	V
	2686	-57.32	-13	-44.32	-77.41	-62.25	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.